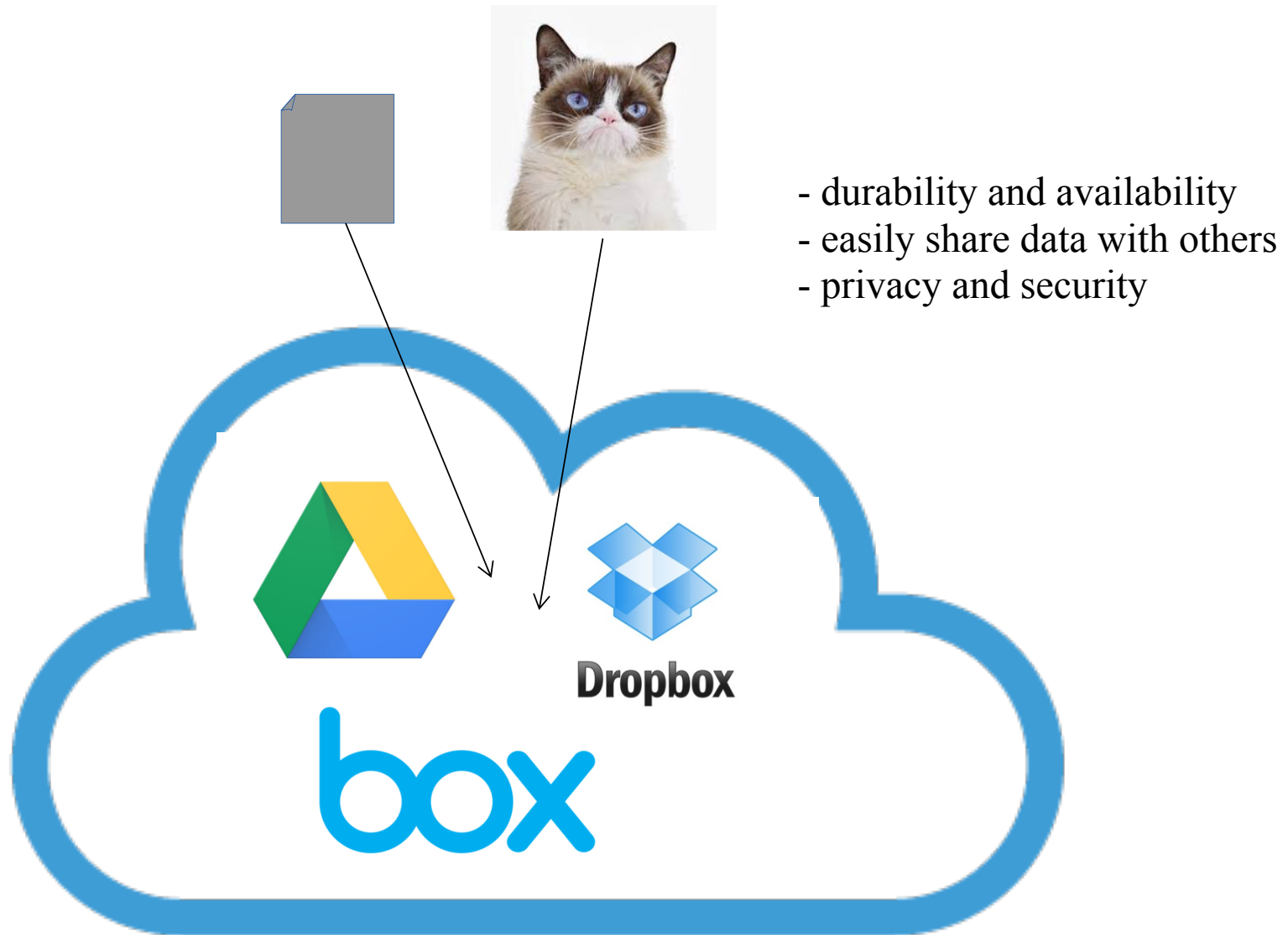


The Case for Decentralized Storage

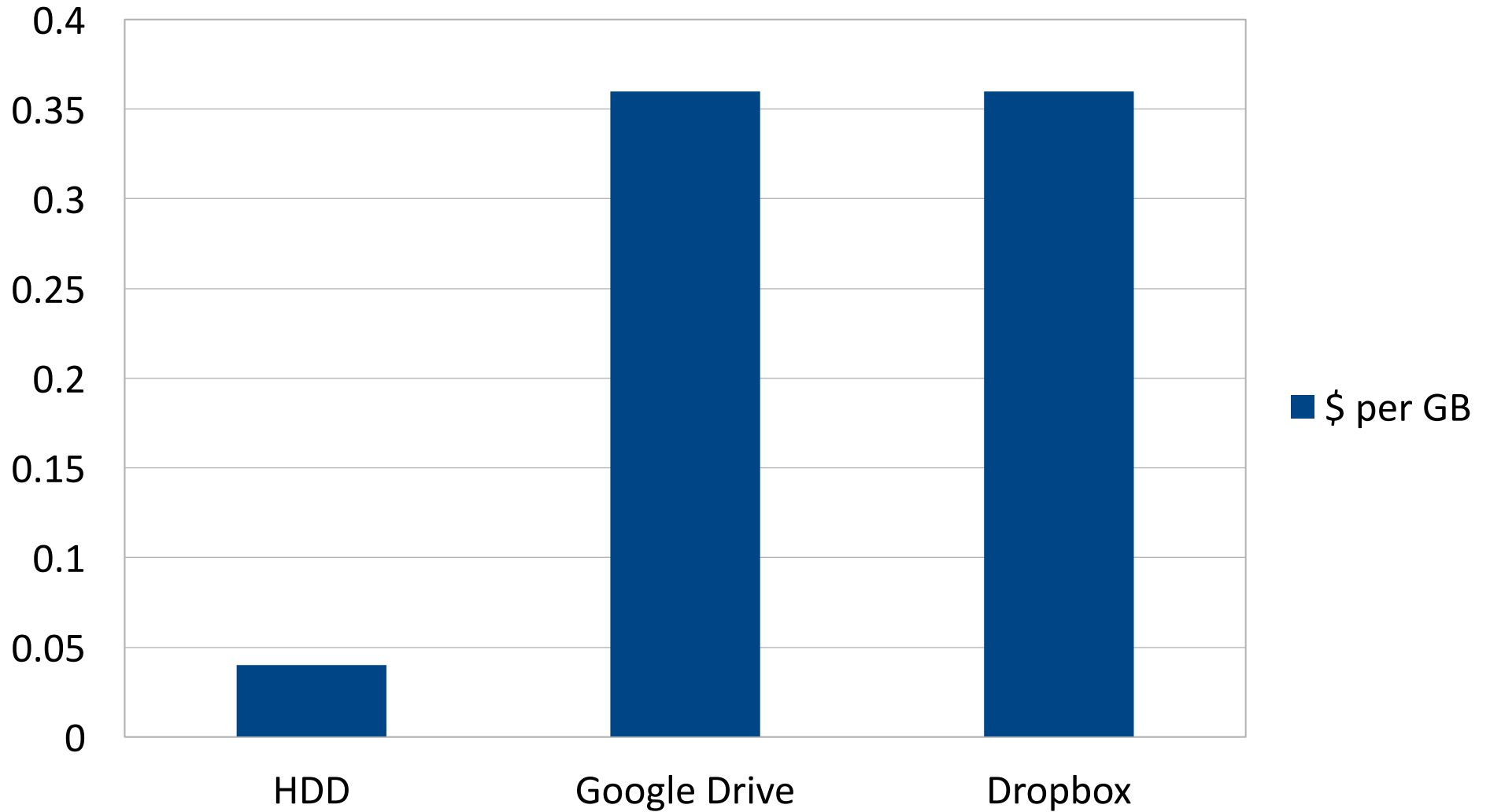
Tuan Tran

Disorderly Labs
UC Santa Cruz

Benefits of Cloud Storage Services

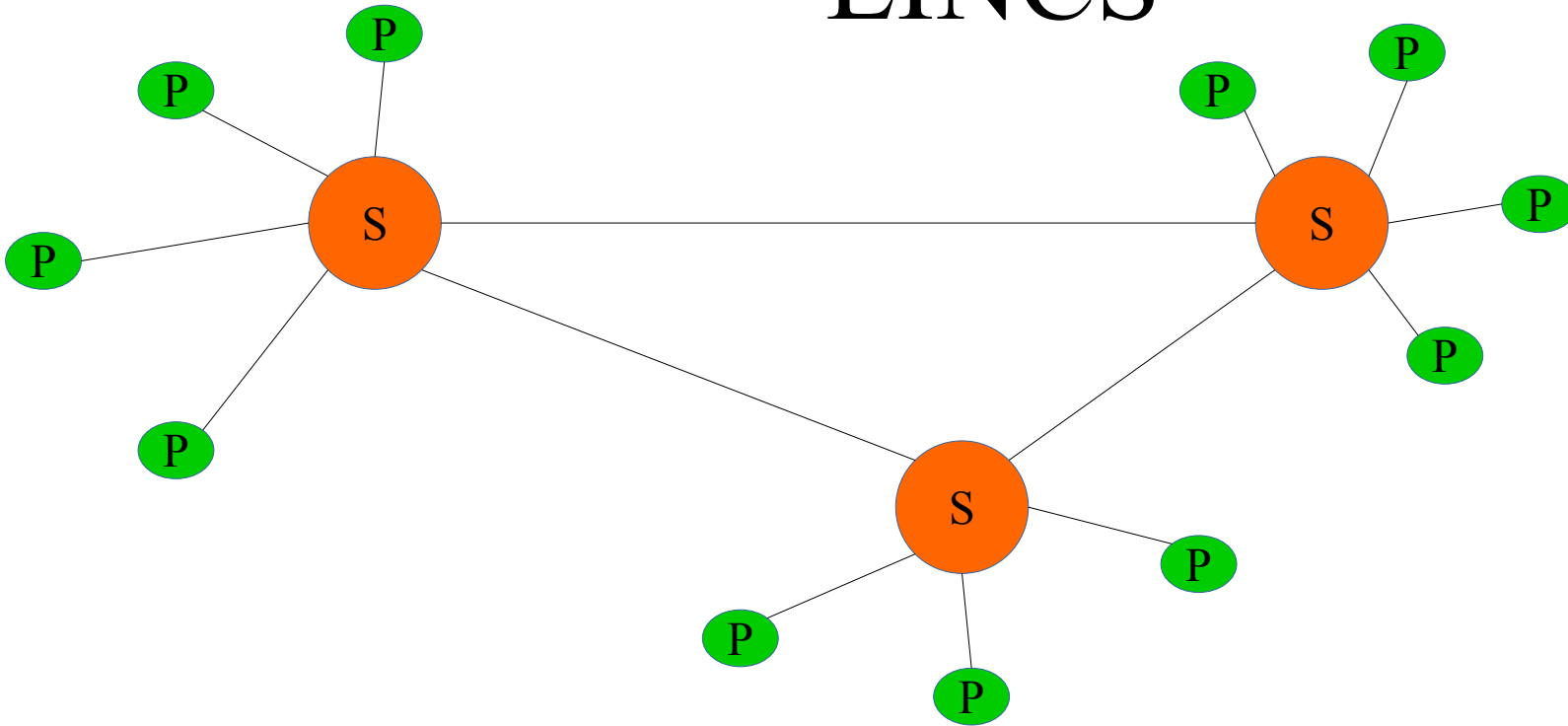


1TB of Data For 3 Years



Total: \$360 \approx 12TB HDD

LINCS



- **Lincs Is Not a Centralized Store**
- Decentralized storage service
- Hybrid architecture provides efficient queries
- Sufficient availability in an unstable P2P network

P2P is so 2000s

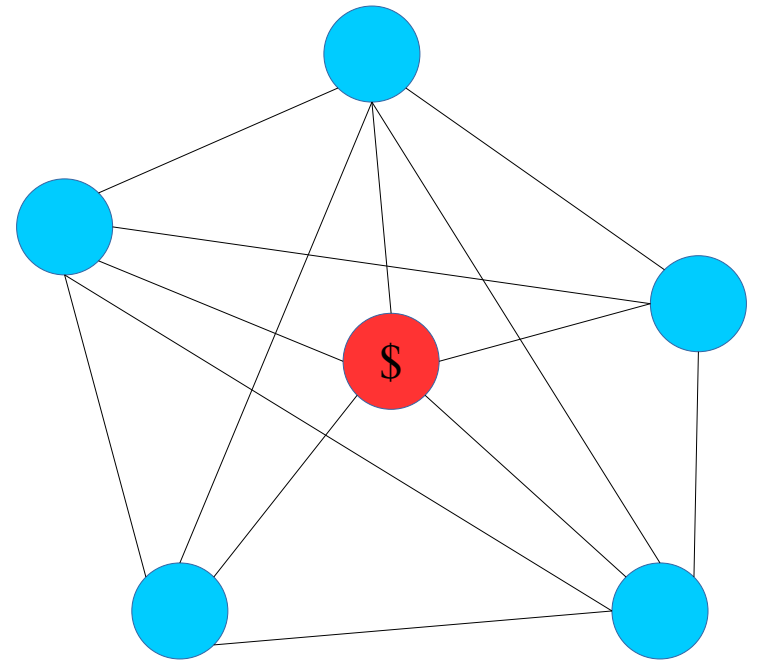
What's new?!

- .PCs are much more capable both in compute and storage capabilities
- .Resource isolation technology have improved.
- .Data breaches are making users scared of storing data on the cloud.

Research Goals



Revisit P2P as a Barter System



Eliminate the Middleman

Thank You